



# भारत का राजपत्र

## The Gazette of India

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इस भाग से मिन्न पृष्ठ संख्या दी जाती है जिसमें कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट रायलिय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित घायियुक्ताएं और नोटिस  
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Calcutta, the 7th September 1996

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Building, 5th, 6th and 7th  
Floor, 234/4, Acharya Jagadish  
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Rest of India.

Telegraphic address "PATENTS"

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## पेटेंट कार्यालय

प्राक्सग तथा अभिभवन

कलकत्ता, दिनांक 7 सितम्बर 1996

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्हार्फ़, दिल्ली एवं मुम्बई में इसके शास्त्र कार्यालय हैं, जिनके प्रावेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित है :—

पेटेंट कार्यालय शास्त्र, टोडी इस्टेट,  
बीमरा ताल, लाऊर पर्सेल (परिचय),  
बम्हार्फ़-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोआ राज्य क्षेत्र एवं संघ शासित क्षेत्र, उमन तथा दीव एवं दादर और नागर हवेली।

तार पता—"पेटेंटफिल्स"

पेटेंट कार्यालय शास्त्र,  
एक सं. 401 से 405, तीसरा तल,  
मगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
बम्हार्फ़ दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,  
राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य क्षेत्रों एवं संघ  
शासित क्षेत्र चण्डीगढ़।

तार पता—"फ़िटोफिल्स"

पेटेंट कार्यालय शास्त्र,  
61, बालाजाह गोड,  
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पांडुचेरी राज्य क्षेत्र एवं संघ शास्त्र क्षेत्र लक्ष्मद्वीप शिनिकाय तथा एमनीदिवि द्वीप।

तार पता—"पेटेंटफिल्स"

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, दिवतीय बहुतलीय कार्यालय,  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कलकत्ता-700020।

भारत का अक्षरण क्षेत्र।

तार पता—"पेटेंटम्"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रसेक्ष पेटेंट कार्यालय के क्षेत्र उपयुक्त कार्यालय में ही प्राप्त किये जावेंगे।

इल्क :—इल्कों की अदायगी इस तर्क सकेद की जाएगी अभावा उपयुक्त कार्यालय में नियन्त्रक को शास्त्र गोग्य अनादेश अधिक्षम आदेश या जहां उपयुक्त कार्यालय अवैरिधत है। उस स्थान के अनुसन्धित दृक से नियन्त्रक को भागतान घोग्य दृक ड्रूफ्ट अथवा गैरक द्वारा की जा सकती है।

944/Cal/96 Daewoo Electronics, Co. Ltd. Method for rectifying channel errors in an image signal transmitted from a block based encoder. (Convention No 95-6-113; on 29-12-95; in South Korea).

945/Cal/96 Dalmine S.p.A. Supermartensitic stainless steel having high mechanical strength and corrosion resistance and relative manufactured article. (Convention No. MI95A001133; on 31-5-95; in Italy).

946/Cal/96 Forschungszentrum Jülich GmbH. Process for obtaining acylloins, Pyruvate Decarboxylase Suitable therefor and preparation thereof and DNA Sequence of the PDC Gene Coding therefor. (Convention Nos. 19518809.8; 19523269.0; on 26-5-95 & 29-6-95; in Germany).

947/Cal/96 Peter David Spendlove Impact Absorbing macadam. (Convention No 9511162.1 on 26-5-95; in U.K.).

948/Cal/96 Owens Corning. Reinforcing Fiber Pellets. (Convention No. 08/485,747; on 7-6-95; in U.S.A.).

949/Cal/96 Owens Corning. Glass Fiber Pallets Incorporating Polymer Powders. (Convention No. 08/470,393; on 7-6-95; in U.S.A.).

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/A, ACHARYA TAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crecent bracket are the dates claimed under section 135 of the Patent Act, 1970.

24-5-1996

942/Cal/96 Encomech Engineering Services Ltd. Heat Shields. (Convention No. 951740.5; on 26-5-1995; in Great Britain).

943/Cal/96 Daewoo Electronics Co. Ltd. Tape Guide Roller Assembly. (Convention No. 9518642; on 30-6-1995; in South Korea).

950/Cal/96 Hitachi, Ltd. Liquid Crystal Display device with wide viewing angle characteristics comprising high Resistivity black matrix (Convention Nos 147720; 191994 & 192004; on 14-6-95; 27-7-95; 27-7-95; in Japan).

951/Cal/96 E.I. Du Pont De Nemours & Co. Fungicidal Cycloamides.

952/Cal/96 Micro Motion, Inc. A technique for substantially eliminating temperature induced measurement errors from a coriolis meter.

27-5-1996

953/Cal/96 WESTINGHOUSE ELECTRIC CORPORATION. "Improvements in or relating to integrated information system for an industrial process and an external entity". (Convention No. 08/463,082 on 5-6-95 in U.S.A.).

954/Cal/96 SIEMENS AKTIENGESELLSCHAFT. "Method for selective programming of a non-volatile memory". (Convention No. 19519774.7 on 30-5-95 in Germany).

955/Cal/96 COMBUSTION ENGINEERING, INC. "Package boiler or Unitary construction". (Convention No. 08/646,422 on 5-6-95 in U.S.A.).

956/Cal/96 BOSCH-SIEMEN HAUSGERATE GMBH. "Heat insulating housing". (Convention No. P-19520020.9 on 31-5-95 in Germany).

957/Cal/96 NOVIBRA GMBH. "A spindle for a pinning or a twisting machine". (Convention No. 19534339.5 on 15-9-95 in Germany).

958/Cal/96 EMITEC GESELLSCHAFT FUR EMISSIONSTECHNOLOGIE MBH. "Apparatus and process for producing a honeycomb body". (Convention No. 19528963.3 on 7-8-95 in Germany).

959/Cal/96 EMITEC GESELLSCHAFT FUR EMISSIONSTECHNOLOGIE MBH. "Catalytic converter to reduce hydrocarbon in the exhaust from a motor vehicle". (Convention No. 19530142.0 & 19535289.0 on 16-8-95 & 22-9-95 in Germany).

960/Cal/96 NIPPON EIsei CENTER CO., LTD., "Method of creating a barrier to wood materials and wooden structures from attack by humidity, fungi and insects".

961/Cal/96 OUTBOARD MARINE CORPORATION. "Oil lubricating system for a two-stroke internal combustion engine". (Convention No. 08/507051 on 25-7-95 in U.S.A.).

962/Cal/96 OUTBOARD MARINE CORPORATION. "Fuel injected internal combustion engine with improved combustion". (Convention No. 08/507,660 on 25-7-95 in U.S.A.).

963/Cal/96 CYCOLOR IMAGING INC. "A printer for a drive bay". (Convention No. 08/470,921 on 6-6-95 in U.S.A.).

964/Cal/96 FICHT GMBH. "Combined pressure surge fuel pump and nozzle assembly". (Convention No. 08/506,534 on 25-7-95 in U.S.A.).

28-5-1996

965/Cal/96 DAEWOO ELECTRONICS CO., LTD., "Spinning apparatus for depositing materials on a substrate". (Convention No. 95-17788 on 28-6-95 in South Korea).

966/CBI/96 MITSUBA ELECTRIC MFG. CO., LTD., "Coaxial engine starter system". (Convention No. 07-153814, 07-153815, 07-153817 on 29-5-95 in Japan).

967/Cal/96 DERIVADOS DEI ETILO, S.A.. "Process for the obtention of thioethers for pharmaceutical use by electrochemical methods". (Convention No. 9501098 on 01-6-95 in Spain).

968/Cal/96 WIN PACK S.R.L., "Device for inserting products into pockets of a blister band".

969/Cal/96 Bell & Howell Document Systems Co., "Label applying system". (Convention No. 08/508,069 on 27-7-95 in U.S.A.).

970/Cal/96 JASON INCORPORATED. "Improved magnetic tape cassette spring". (Convention No. 08/631,887 24th April, 1996 in U.S.A.).

971/Cal/96 INTERWAVE COMMUNICATIONS INTERNATIONAL LTD., "Multiple antenna cellular network". (Convention No. 08/582,512 on 3-1-96 in USA).

972/Cal/96 Keystone Retaining Wall Systems Inc., "Plantable retaining wall block". (Convention No. 08/480/287 & 08/475199 on 7-6-95 in U.S.A.).

973/Cal/96 Owens Corning. "Method and apparatus for the in-line impregnation of fibers with a non-aqueous chemical treatment". (Convention No. 08/487948 on 7-6-95 in U.S.A.).

974/Cal/96. Owens Corning. "Glass fiber and process therefor". (Convention No. 08/469,836 on 6th June 1995 & 08/568,008 on 6th December, 1995 in U.S.A.).

975/Cal/96. The University of North Carolina at Chapel Hill. "Process for the preparation of polyester in carbon dioxide". (Convention No. 08/471,500 on 6th June, 1995 in U.S.A.).

976/Cal/96. E.I. Du Port De Nemours and Company. "Recombinant baculovirus insecticides".

977/Cal/96. Johnson & Johnson Vision Products, Inc. "Contact lenses with hydrophilic crosslinkers". (Convention No. 08/484134 on 7th June, 1995 in U.S.A.).

978/Cal/96. Johnson & Johnson Vision Products, Inc. "Contact lenses with hydrophilic crosslinkers". (Convention No. 08/484132 on 7th June, 1995 in U.S.A.).

979/Cal/96. Johnson & Johnson Vision Products, Inc. "Contact lenses with hydrophilic crosslinkers". (Convention No. 08/484133 on 7th June, 1995 in U.S.A.).

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002**

22nd April 1996

663/Mas/96. S.A.R. Navakodi Allirajan. Television screen based universal remote control system.

664/Mas/96. Exergy, Inc. Method and apparatus for implementing a thermodynamic cycle. April 27, 1995; United States.

665/Mas/96. Honda Giken Kogyo Kabushiki Kaisha. Method of and apparatus for manufacturing pressed powder body.

666/Mas/96. Novo Nordisk A/S. Oral care compositions.

667/Mas/96. Fischerweike Artur Fischer GmbH & Co. KG. Anchoring cartridge for a hardening multi-component composition. (May 26, 1995; Germany).

668/Mas/96. Foster Wheeler Energia OY. Combined cycle power plant with circulating fluidized bed reactor. (April 21, 1995; United States).

669/Mas/96. Tweco Products Inc. Gas lens assembly.

670/Mas/90. Medwave Inc. Method and apparatus for calculating blood pressure.

671/Mas/96. Qualcomm Incorporated. Method of searching for a bursty signal.

23rd April 1996

- 672/Mas/96. AT&T Corp. Signal-recognition arrangement using precedence tables.
- 673/Mas/96. AT & T IPM Corp. Connector modules.
- 74/Mas/96. Vianova Resins GmbH. Emulsifier and solvent-free multimodal synthetic resin systems.
- 675/Mas/96. Zeneca Limited. Microcapsules containing suspensions of biologically active compounds and ultraviolet protectant. (April 27, 1995; United States).
- 76/Mas/96. Henkel Corporation. Process for separating multivalent metal ions from autodeposition compositions and process for regenerating ion exchange resins useful therewith. (April 24, 1995; United States).
- 677/Mas/96. Sunstar Engineering Inc. Rectangular inner bag for loading into cylindrical container. (April 25, 1995; Japan).
- 678/Mas/96. Milton Meckler. Gas and steam powered for jet refrigeration chiller and co-generation systems. (April 24, 1995; United States).
- 679/Mas/96. Milton Meckler. Refrigerent enhancer-absorbent concentration and turbo-charged absorption chiller. (April 24, 1995; United States).
- 680/Mas/96. Staubli Hauberges. Improvements in quick connections. (April 26, 1995; France).

24th April 1996

- 681/Mas/96. Mahadevji Subbaraya Venkataramanu Sarma. Cold desalinator.
- 682/Mas/96. Minnesota Mining and Manufacturing Company. Fiber reinforced raised pavement marker. (April 21, 1995; United States).
- 683/Mas/96. Kleenplus Stretch S.p.A. Multilayer polyethylene film. (September 1, 1995; Italy).
- 684/Mas/96. Riken Vitamin Co. Ltd. Scale inhibitor emulsion composition.
- 685/Mas/96. Institut Francais Du Petrole and Saudi Basic Industries Corporation. Butene-1 production by dimerization of ethylene comprising an improved spent catalyst removal section. (April 28, 1995; France).
- 686/Mas/96. Owens Illinois Closure Inc. Liquid containment and dispensing device. (April 27, 1995; United States).
- 87/Mas/96. Daiichi Pharmaceutical Co. Ltd. Polycrylic Compound. (April 28, 1995; Japan).
- 688/Mas/96. F. Hoffmann-La Roche AG. Recombinant obese (Ob) Protein. (May 5, 1995; United States of America).

25th April 1996

- 689/Mas/96. Sunmet Research and Holdings Limited. Multigrind (The multipurpose electrically operated food grinding system).
- 690/Mas/96. AVT Rubber Products Ltd. A process of manufacturing powderfree latex examination gloves.
- 691/Mas/96. Mysore Sandal Products. A method of introducing sandal wood oil drops in pearl like capsule form for using at the time of bathing which will avoid bad odour by enabling the body to spread the smell of sandal wood oil.
- 692/Mas/96. Kimberly-Clark Corporation. Nonwoven-film laminate. (May 2, 1995; United States).
- 693/Mas/96. Richard Nigel Bushell. Automotive valve. (April 27, 1995; Great Britain).

- 694/Mas/96. Bakron Corp. Rotary loop taker with replaceable tip. (April 27, 1995; United States).
- 695/Mas/96. YKK Corporation. Knit slide fastener. (May 12, 1995; Japan).
- 696/Mas/96. Miknnesota Mining and Manufacturing Company. Tackified polydi-organo-siloxane polyurea segmented copolymers and a process for making the same. (April 25, 1995; United States).

26th April 1996

- 697/Mas/96. Baker Refractories. Apparatus for discharging molten metal in a casting device and method of use.
- 698/Mas/96. Novo Nordisk A/S. and Novo Nordisk Biotech, Inc. Alkaline protease and process for its production. (May 3, 1995; United States).
- 699/Mas/96. H. J. Hinz Company Limited. Package and packaging method. (April 28, 1995; Great Britain).
- 700/Mas/96. Diamant Board. Connecting element for a diamond charged cable saw and diamond charged cable saw provided with such a connecting element.
- 701/Mas/96. Institut Francais Du Petrol. Vessel with improved solid particle extraction. (May 2, 1995; France).

30th April 1996

- 702/Mas/96. Kasi Radhakrishnan Durga Prasad. A device for feeding internally locatable machine components and the like to a specified point.
- 703/Mas/96. Rajagopal Vasanthakumar. A gentle cover closing mechanism for a positive clearer on a specif frame, fly frames or rolling frame.
- 704/Mas/96. Rameshchandra Panditrao Palnitkar and Rahul Rameshchandra Palnitkar. A bicycle.
- 705/Mas/96. R. S. Clare & Co. Limited. Particle distributor. (April 28, 1995).
- 706/Mas/96. Draftex Industries Limited. Movable-window safety device. (May 5, 1995; United Kingdom).
- 707/Mas/96. International Mobile Satellite Organisation. Communication method and apparatus.
- 708/Mas/96. Cibat Corporation. Synthetic latex compositions and articles producing therefrom. (April 3, 1996; United States).
- 709/Mas/96. Telecom Securicor Cellular Radio Limited. Cellular radio location system. (May 2, 1995; British).
- 710/Mas/96. The Dow Chemical Company. A liquid urethane containing adduct. (May 1, 1995; U.S.A.).
- 711/Mas/96. Fundacao Oswaldo Cruz-Fiocruz. Novel gem-difluoro derivatives of Phenylacetamide and phenylacetic acid and their pharmaceutical uses. (March 11, 1996; Brazil).
- 712/Mas/96. Scotia Holdings PLC. Presentation of bioactives. (May 1, 1995; Great Britain).

1 May 1996

- 713/Mas/96. MA-Rakennus J. Mantyla KY. Wall construction and method of manufacturing a wall construction.
- 714/Mas/96. International Mobile Satellite Organization. Communication method and apparatus.
- 715/Mas/96. Novo Nordisk A/S. Pharmaceutical composition containing tiagabine hydrochloride and the process for its preparation. (May 5, 1995; Denmark).
- 716/Mas/96. Solvay Interrox Limited. Detergent Builders/Activators. (May 6, 1995; United Kingdom).

717/Mas/96. Cogifer—Compagnie Generale D'Installations Ferroviaires. Weld without filler between a carbon steel and a high-alloy steel, methods of obtaining it and application to railway switch gear. (May 5, 1995; France).

718/Mas/96. Globalstar I. P. Satellite repeater diversity resource management system.

719/Mas/96. Novo Nordisk A/S. Introduction of DNA into bacillus strains by conjugation.

6th May 1996

720/Mas/96. Rajeev Alexander. A working model of the solar system.

721/Mas/96. The President, Dr. Reddy's Research Foundation. Novel heterocyclic compounds having anti-diabetic, hypolipidaemic, antihypertensive properties, process for their preparation and pharmaceutical compositions containing them.

722/Mas/96. The President, Dr. Reddy's Research Foundation. Novel antidiabetic compounds having hypolipidaemic, antihypertensive properties, process for their preparation and pharmaceutical compositions containing them.

723/Mas/96. The President, Dr. Reddy's Research Foundation. New heterocyclic compounds having anti-diabetic, hypolipidaemic, antihypertensive properties, process for their preparation and pharmaceutical compositions containing them.

724/Mas/96. Lecronics Research and Development Centre. An energy controller for providing electric power of predetermined voltage and frequency to a load.

725/Mas/96. Texas Instruments India Private Limited. Analog memory.

726/Mas/96. Widia (India) Limited. An attachment.

727/Mas/96. Widia (India) Limited. A multi-cornered cutting tool for chip control.

728/Mas/96. M/s. Widia GMBH. Cutting tool insert.

729/Mas/96. M/s. Widia GMBH. Shell end mill.

730/Mas/96. M/s. Widia GMBH. Method for machining of cylindrical contours, device for carrying out the method, and cutting unit for the same.

731/Mas/96. M/s. Widia GMBH. Cutting tool unit comprising a tool holder and an indexable insert.

732/Mas/96. Lucent Technologies Inc. Arrangement for specifying presentation of multimedia message components.

733/Mas/96. AT&T IPM Corp. Connector module with test and jumper access.

734/Mas/96. Union Switch & Signal Inc. Brake pipe pneumatic valve. (May 10, 1995; U.S.A.).

735/Mas/96. Maschinenfabrik Rieter AG. Comber.

736/Mas/96. BASF Aktiengesellschaft. The preparation of diarylethanes.

737/Mas/96. Plasma Processing Corporation. Process for treatment of reactive fines. (May 8, 1995; U.S.A.).

738/Mas/96. Novo Nordisk A/S. Novel Endoglucanases.

739/Mas/96. Novo Nordisk Biotech Inc. Scytalidium catalase gene. (May 5, 1995; U.S.A.).

740/Mas/96. Bracco SpA. Process for the pyrogenation of injectable pharmaceutical solutions. (May 16, 1995; Italy).

741/Mas/96. Novo Nordisk A/S. Deoxygenation of an oil product with a laccase. (May 11, 1995; Denmark).

742/Mas/96. Minnesota Mining and Manufacturing Co. Rusted retroreflective pavement marker. (May 19, 1995; U.S.A.).

743/Mas/96. Akzo Nobel NV. A process for preparing pyridine-2, 6-diamines.

744/Mas/96. Novo Nordisk A/S. Protease variants and compositions. (May 5, 1995; Denmark).

745/Mas/96. Euroceltique S A. A method of producing a controlled release analgesic pharmaceutical composition. (November 23, 1993; Great Britain).

746/Mas/96. Euroceltique S A. A method of producing a controlled release analgesic pharmaceutical composition. (November 23, 1993; Great Britain).

747/Mas/96. Euroceltique S A. A method of producing a controlled release analgesic pharmaceutical composition. (November 23, 1993; Great Britain).

7th May 1996

748/Mas/96. Nathan Senthivel. High energy magnet arrays.

749/Mas/96. Enichem SpA. Polyesters with a low crystallization rate and catalytic system for their preparation. (June 1, 1995; Italy).

750/Mas/96. Enichem Elastomeri S.r.l. Process for the preparation of ethylene-propylene copolymers. (June 3, 1995; Italy).

751/Mas/96. Honda Automatic Tubing Sprayer Co. Ltd. Automatically rotatable garden sprinkling nozzle.

752/Mas/96. Schneider Electric SA. Electrical switchgear enclosure.

753/Mas/96. Unimetal of Societ Francaise des Aciers Longs (s. a.), Arcometal (s. a.), Centre De Recherches Metallurgiques—Centrum Voor Research in Metallurgie (CRM), Sollac (s. a.), Ugine Savoie (s. a.) and Socite Anonyme Des Forges ET Acierieres De Dilling. Method for lubricating the walls of a mould for the continuous casting of metals and mould for its implementation. (May 17, 1995; France).

754/Mas/96. Globalstar I. P. Closed loop power control for low earth orbit satellite communications system. (June 6, 1995; U.S.A.).

755/Mas/96. Elf Atochem SA. Bacteriostatic compositions and use in metal working fluids. (May 10, 1995; Japan).

756/Mas/96. Wes Technology Inc. Hydraulic actuator for isolators. (May 12, 1995, United Kingdom).

757/Mas/96. Hoechst Aktiengesellschaft. Substituted benzoyloxycarbon-ylguanidines, process for their preparations, their use as a medicament or diagnostic, and medicament containing them. (May 17, 1995; Germany).

8th May 1996

758/Mas/96. Bottari Marco. A support or center made from molded thermoplastic resin on which yarn is wound, with a means for anchoring the yarn end. (May 19, 1995; Italy).

759/Mas/96. Denim Engineering, Inc. Methods and systems for removing ethylbenzene from a mixed xylene stream and optimizing para-xylene separation.

760/Mas/96. Ajinomoto Co., Inc. A feed composition containing poly-gamma-glutamic acid. (May 12, 1995; Japan).

761/Mas/96. Macrovision Corporation. Method and apparatus for defeating effects of color burst modification to a video signal. (May 9, 1995; U.S.A.).

762/Mas/96. YKK Corporation. Knit slide fastener. (May 18, 1995; Japan).

763/Mas/96. YKK Corporation. Automatic lock slider for concealed slide fastener. (May 19, 1995; Japan).

- 764/Mas/96. C. P. Clare Corporation. Electromagnetic relay and method of manufacturing such relay.
- 765/Mas/96. Hoechst Aktiengesellschaft. The use of glyceryl triacetate for treatment of onychomycoses. (May 18, 1995; Germany).

9th May 1996

- 766/Mas/96. Malladi Research Centre. Herbal antiseptic, anti plaque, anticaries and refreshing mouth wash.
- 767/Mas/96. Tecumseh Products Company. Refrigeration compressor thrust bearing assembly. (May 23, 1995; U.S.A.).

- 768/Mas/96. Henkel Kommanditgesellschaft auf Aktien. A process for working up ammoniacal metal solutions. (June 12, 1995; Germany).

- 769/Mas/96. Norton Company. An alumina abrasive wheel with improved corner holding.

- 770/Mas/96. Shell Internationale Research Maatschappij B.V. Process for the preparation of lubricating base oils.

- 771/Mas/96. Acushnet Company. Apparatus system and method for laser measurement of an object shape. (January 23, 1996; U.S.A.).

- 772/Mas/96. Acco U.S.A. Inc. Stapler with staple storage. (August 17, 1995; U.S.A.).

- 773/Mas/96. Acco U.S.A. Inc. Lever operated punch with strengthened flap and punch had adjustment arrangement. (August 17, 1995; U.S.A.).

- 774/Mas/96. Heraeus Electro-Nite International NV. Sensor to measure gas concentration. (September 20, 1995; Germany).

- 775/Mas/96. Fisherwerke Arthur Fischer GmbH & Co. KG. Device for the variable division of a motor vehicle boot and for securing the loaded cargo. (May 19, 1995; Germany).

- 776/Mas/96. Sumitomo Electric Industries Ltd. Composite fiber-optic overhead ground wire and producing method thereof. (May 10, 1995; Japan).

- 777/Mas/96. ABB Management AG. Plant for the feed heating and d-aeration of water. (July 3, 1995; German).

10th May 1996

- 778/Mas/96. Hoechst Aktiengesellschaft. Fluotophenyl-substituted alkenylcarboxylic acid guanidids process for their preparation, their use as a medicament diagnostic, and medicament containing them. (May 22, 1995; Germany).

- 779/Mas/96. American Oats, Inc. Oat-based frozen confection.

- 780/Mas/96. Hoechst Aktiengesellschaft. The use of balhimycin as production promoter in animals, and production promoter compositions. (June 28, 1995; Germany).

- 781/Mas/96. YKK Corporation. Automatic lock slider for slide fastener. (May 31, 1995; Japan).

- 782/Mas/96. Mr. Siew Pust Yeo. Compositions. (July 19, 1995, Great Britain).

- 783/Mas/96. Mitsubishi Denki Kabushiki Kaisha. Rotator for dynamoelectric machine and its manufacturing method.

- 784/Mas/96. Sandoz Ltd. Polymyxin conjugates.

- 785/Mas/96. Sandoz Ltd. Bromopyramine (May 24, 1996; Great Britain).

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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#### स्वीकृत सम्पूर्ण विनियोग

एचडब्ल्यूआर यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से विसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवंटित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकत्र और उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित बक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में द्या विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनियोग के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं”।

रूपांकन (चित्र आरेसों) की फोटो प्रतियां यदि कोई हो, उस साथ विनियोगों की टंकित अथवा फोटो इतियां की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शास्त्र कार्यालय द्वारा विहित सिव्यान्तरण प्रभार जिसे उक्त कार्यालय से पश्च व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अवाधि पर की जा सकती है। विनियोग की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनियोग के सामने नीचे डाँगित चित्र आरेस कागजों के जोड़कर उसे 2 से गुण अरक्के, (नांगिक पत्रों का लियान्तरण प्रभार 2/- रु. लौ) पोतों लियान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 147-B

176741

Jnt. Cl<sup>1</sup>; G II B 19'00

A TAPE LOADING DEVICE FOR A CASSETTE TYPE TAPE RECORDING AND/OR RFPRODUCING APPARATUS.

Applicant : SONY CORPORATION, A CORPORATION OF JAPAN OF 7-35, KITASHINAGAWA 6- CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

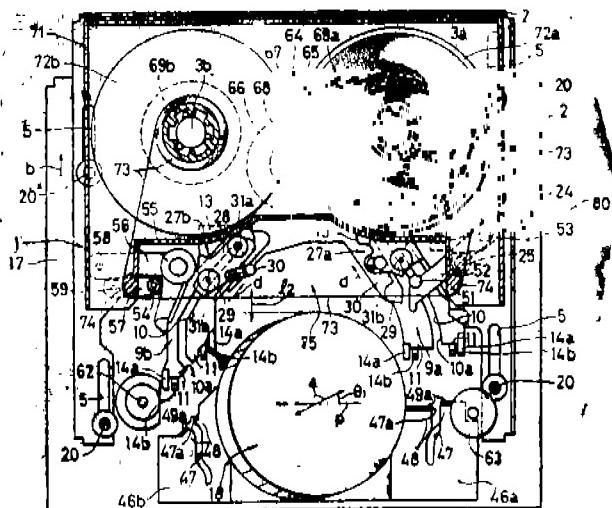
Inventors : (1) EIJI OHSHIMA,  
(2) HSIROMITSU BABA,  
(3) TAKAO KUMAGAI.

Application No. 204/Mas/90 filed March 19, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A tape loading device for a cassette type tape recording and/or reproducing apparatus comprising a main chassis on which a rotary drum head having sides is mounted a sub-chassis slidably mounted on said main chassis for carrying a tape cassette, a chassis drive mechanism located between said main chassis and said sub-chassis so as to move said sub-chassis towards said rotary head drum, tape loading means movable from said sub-chassis to said main chassis for drawing tape out from a tape cassette and guiding said tape on the periphery of said rotary head drum and wherein guide rail means on said sub-chassis for guiding of said tape loading means therealong, positioning means on said main chassis for cooperation with said guide rail means to transfer said tape loading means between said sub-chassis and main chassis and for positioning said tape loading means with respect to said rotary drum head and said guide rail means are constructed in pairs and provided along the respective sides of said rotary head drum.



(Compl. Specn. 24 pages;

Drwgs. 9 sheets.)

Ind. Cl. : 190-C

Int. Cl<sup>4</sup> : F 03 D 1/06

A FRP ROTOR FOR WATER PUMPING WIND MILL.  
Applicants : (1) SARMA SUNDARAM, B. TECH.  
(CHEM.), M. TECH. (POLYMER TECH.), APPLICATIONS DEVELOPMENT MANAGER, CEAT TYRES OF INDIA LTD., GLASS FIBRE DIVISION, R. & D. CENTRE, PLOT NOS. 4 & 5 RASOOLPURA CANTT., SECUNDERABAD-500 003, ANDHRA PRADESH, INDIA. INDIAN NATIONAL; AND (2) CEAT TYRES OF INDIA LTD., HAVING OUR REGISTERED OFFICE AT NO. 463, DR. ANNIE BESANT ROAD, WORLI, BOMBAY-400 025, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

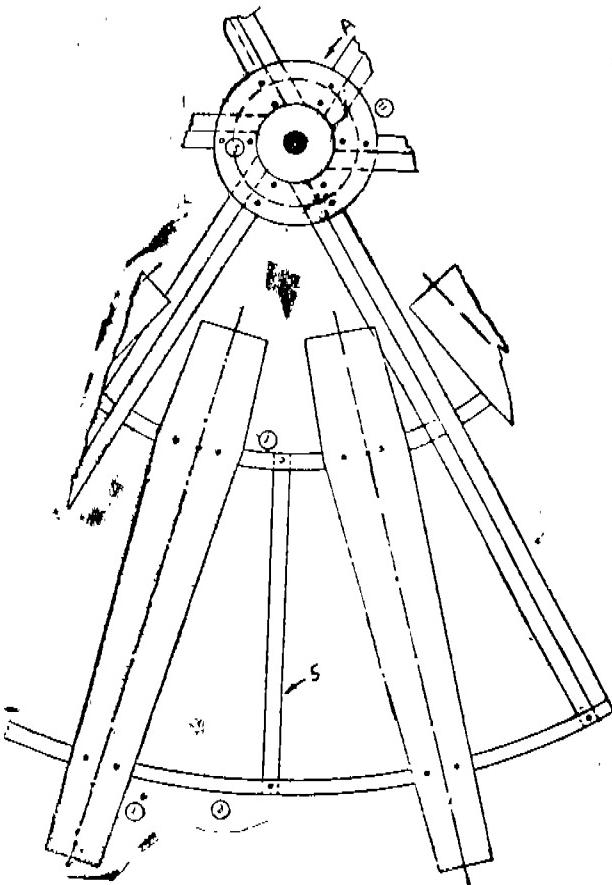
Inventor: SARMA SUNDARAM.

Application No. 274/Mas/90 filed April 12, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A FRP rotor for water pumping wind mill comprising a hub in two halves assembled together to form a single unit to hold the rotor shaft, the hub having a top and bottom flanges at both ends; inner and outer FRP angle rings on which the rotor blades are mounted; main radial angles connecting the inner and outer angle rings; slanting angles connecting the main radial angles with the hub top flange; and vertical support angles providing support from the inner angle to the slanting angles.



(Compl. Specn 17 pages)

Draws. 4 sheets.)

Ind. Cl. : 127-C<sub>7</sub>

Int. Cl.: F 16 G 13/00

## **AN INTERCARRIER CHAIN FOR USE IN THE SUGAR INDUSTRY.**

Applicant : TI DIAMOND CHAIN LIMITED, TIAM HOUSE, 28 RAJAJI ROAD, MADRAS-600 001, TAMIL NADU INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

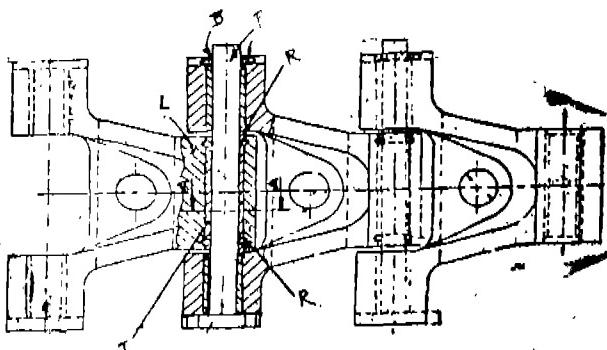
Inventors : (1) DORAIRAJ BENEDICT RAI,  
(2) RAMAMUORTHY NATARAJAN  
(3) ARUNACHALAM SIVAKUMAR

Application No. 342/Mas/90 filed May 4, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims

An intercarrier chain for use in the sugar industry comprising a plurality of links, each pair of adjacent links being fastened together by pins received in lubricated bushes accommodated in locating bores, the bushes being press-fitted in the bores, the bearing area between each pin and bush being sealed off by means, such as, two O-rings and the curvature of the pin being matched to that of the bush in the working zone but relieved in the non-working zone.



(Compl. Specn. 7 pages;

Drwgs. 1 sheet.)

Ind. Cl. : 128-I

176744

Int. Cl.<sup>4</sup> : A 62 B 18/02

## A FILTERMASK.

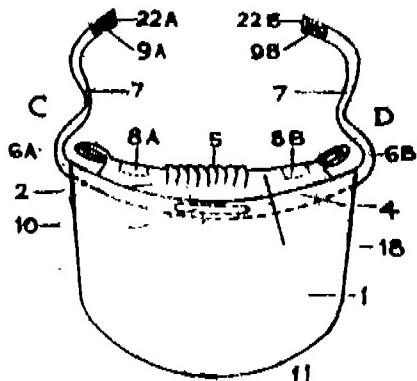
Applicant & Inventor : DR. NAGENDRA PRASAD KOMARLA VENUGOPAL, B.Sc., MBBS, FCGP, FCAI, CONSULTING ALLERGIST, BANGALORE ALLERGY CENTRE, No. 10, FIRST FLOOR, RICHMOND CIRCLE, BANGALORE-560 025, KARNATAKA, INDIA, AN INDIAN CITIZEN.

Application No. 346/Mas/90 filed May 7, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

## 14 Claims

A filtermask comprising (i) a cup adapted to fit the face below the eye level covering the nose and the mouth and (ii) two hooks strip to hook round the ear characterised in that the cup comprises a pouch having an anterior and a posterior portion wherein the anterior portion is made of material having filtering properties such as nylon, silk, polypropylene, polyamide, paper filter.



(Compl. Specn. 16 pages;

Drwgs. 2 sheets.)

Ind. Class : 48-A<sup>1</sup>

176745.

Int. Cl.<sup>4</sup> : H 01 B 13/00

A STABLE NON-DGRADABLE POLYOLEFIN INSULATED CABLE SPLICE AND A METHOD OF MANUFACTURING THE SAME.

Application : RAYCHEM CORPORATION, A COMPANY ORGANISED ACCORDING TO THE LAWS OF THE STATE OF DELAWARE, OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, U.S.A.

## Inventors :

- (1) DAWES KEITH
- (2) HUNTER THOMAS A.
- (3) HOLT NEIL L.

Application No. 373/MAS/90 filed May 15, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras branch.

## 39 Claims

A process for manufacturing a stable non degradable polyolefin insulated cable splice comprising the steps of providing an enclosure within the polyolefin insulation of a core member of the cable splice, introducing a known scavenger for acidic or volatile material therein and sealing the said enclosure in a known manner.

(Com.—46 pages;

Drawings—4 sheets)

Ind. Cl. : 128-I

176746.

Int. Cl.<sup>4</sup> : B 60 C 11/00.

Ind. Class : 205-H &amp; B

Int. Cl.<sup>4</sup> : B 60 C 11/00.

AN IMPROVED TREAD FOR RETREADING VEHICLE TIRES AND A MOULD FOR MAKING THE SAME.

Applicant : MARAGONI RTS S. p. A., OF LOCALITA COLLE, BAIOTTO, 03013—FERENTINO (FROSINONE), ITALY, AN ITALIAN COMPANY.

Inventor : GIANCARLO GASTALDELLO.

Application No. 403/MAS/90 filed May 23, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras branch.

## 7 Claims

An improved tread for retreading vehicle tires, characterized in that a shaped tread body mating with the surface of the carcass of the tire the said tread body having a concave face and a substantially convex face having in the unloaded condition of said tire carcass a profile equal to the profile of the tread of a new tire in the unloaded condition thereof.

(Com.—12 pages;

Drwgs.—5 sheets)

Ind. Class : 172D<sup>1</sup>

176747.

Int. Cl.<sup>4</sup> : D 01 H 15/02.

A METHOD AND DEVICE FOR MANUFACTURING SPUN YARN IN AN OPEN END SPINNING MACHINE.

Applicant : SCHUBERT & SALZER MASCINENFABRIK AG., OF POSTFACH 260, 8070 INGOLSTADT, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

## Inventors :

- (1) ANTHONY BALL
- (2) ULRICH RODIGER.

Application No. 405/MAS/90 filed May 24, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras branch.



being provided with a spring device having a pivotal axis (A) at a distance (a) in front of the scraping edge of the element and being spaced a distance (b) from the surface of the belt to be cleaned, the distance (b) is greater than the distance (a), and the scraping edge is located in front the axis (A) in the inactive position; the said spring device being provided or individually deflecting the respective elements and the elements being automatically pivotally displaced from the active position to the inactive position, or vice versa, by frictional engagement with the belt or with materials adhering to the belt upon a change in the direction of running of the belt.

(Com.—18 pages;

Drwgs.—4 sheets)

Ind. Class : 105-C

176751.

Int. Cl.<sup>4</sup> : G 01 N 27/00.

**A DEVICE FOR DETERMINING THE CONCENTRATION OF COMBUSTIBLE GAS IN A GASEOUS MIXTURE**

Applicant : CHARBONNAGES DE FRANCE, OF TOUR ALBERT LER-65, AVENUE DE COLMAR, 92507 RUEIL-MALMAISON CEDEX, FRANCE, A FRENCH COMPANY.

Inventors :

- (1) MARC KAZMIERCZAK
- (2) ANTOINETTE ACCORSI
- (3) ANDREE WATTEIR.

Application No. 237/MAS/90 filed April 2, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras branch.

## 7 Claims

A device for determining the concentration of combustible gas in a gaseous mixture, comprising a measuring cell (3) containing a resistive element (2) having a catalyst surface and exposed to gaseous mixture, said element being connected to power supply unit (11) through control device (4) for maintaining the resistance of the element constant, measuring means connected for measuring the voltage, current or power value necessary for maintaining the resistance of the element constant and supplying means for supplying power for a predetermined interrogation period in cycles to the resistive element, the said supplying means comprises current increasing means for increasing the current flow in the resistive element to increase the temperature of the element to a temperature to catalyse combustion of said combustible gas, current regulating means for regulating the current flow in the resistive element to maintain the temperature of the resistive element for a predetermined time and current reducing means for reducing the current flow in the resistive element to cool the element to a quiescent temperature.

(Com.—21 pages;

Drwgs.—13 sheets)

Ind. Class - 160-A

176752

Int. Cl.<sup>4</sup> - 62 C 1/04

**AN ANIMAL DRAWN VEHICLE AND A METHOD OF MANUFACTURE OF THE BODY THEREOF**

Applicants : (1) SARMA SUNDARAM B. TECH (CHEM.), M. TECH (POLYMER TECH.), APPLICATIONS DEVELOPMENT MANAGER, CEAT TYRES OF INDIA LIMITED, GLASS FIBRE DIVISION, R & D CENTRE, PLOT NO. 4 & 5, RASCOI PURA, CANTONMENT, SECUNDERABAD-500 003, ANDHRA PRADESH, INDIA INDIAN NATIONAL AND (2) CEAT TYRES OF INDIA LIMITED, HAVING OUR REGISTERED OFFICE AT No. 463, DR. ANNIE BESANT ROAD, WORLI, BOMBAY-400 025, MAHARASHTRA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

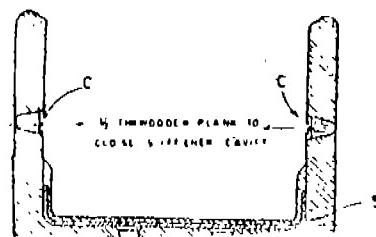
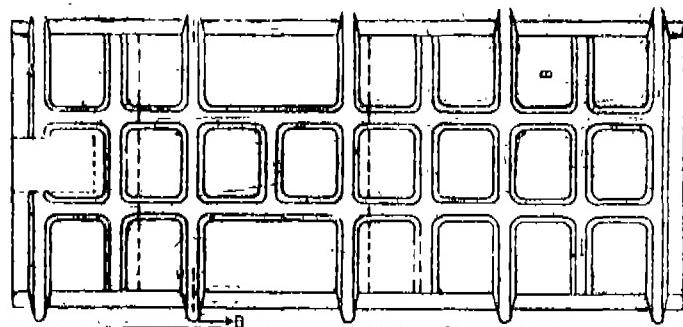
Inventor : SARMA SUNDARAM.

Application No. 285/MAS/90 filed April 17, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims

An animal drawn vehicle comprising a FRP body; an axle mounted on two steel angle frames; a pull beam fixed to the body and/or the axle; and pneumatic or wooden wheels fitted to the axle, the said body having steel sheets embedded therein at predetermined locations and being provided with a plurality of stiffeners along and across its length, the stiffener cavities being filled up with waste foam or wooden pieces.



(Com. - 13 Pages;

Drwgs. - 3 sheets)

Ind. Class - 172-C<sub>1</sub> & C<sub>3</sub>

176753

Int. Cl.<sup>4</sup> - D 01 G 21/00.

**A METHOD FOR PRODUCING FIBER SLIVER IN A SPINNING MILL AND A SPINNING MILL THEREOF**

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406, WINTERTHUR, SWITZERLAND.

- (1) ROBERT DEMUTH
- (2) JURG FAAS
- (3) PETER FRITZSCHE
- (4) EDUARD NUSSLI

Application No. 289/MAS/90 filed April 17, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 40 Claims

Method for producing fiber sliver in a spinning mill, by optimising the process steps with regard to throughput quantity, residual dirt content and fibre detriment, each as a variable of the processed product respectively in the product being processed, characterized by the fact that on the one hand the inherent attributes emanating from the origin (also called provenance) of the product, fibre characteristics and proportions of the different types of contamination as output data and on the other hand the desired degree of cleaning and the throughput quantity (in metres/min or kgs hr) of the carded sliver are entered to a control unit and the control is set out in such a way that this gives specified signals, on the basis of which

adjustable operating elements of the appropriate machines (opening machines, "cleaning machine, card) are adjusted according to the degree of opening and of cleaning in such a way that the desired degree of cleaning (or also residual dirt content) and/or the throughput quantity of the fiber product and/or the expected fiber detriment in the product is achieved.

(Com. - 34 pages;

Drwgs. - 3 sheets)

Ind. Class - 68-E<sub>1</sub>

176754

Int. Cl.<sup>4</sup> - H 02 M 3/335

#### AN INVERTER FOR SUPPLYING ELECTRICAL ENERGY FROM A DC SUPPLY TO A LOAD.

Applicant : SYSTEL DEVELOPMENT AND INDUSTRIES LTD., AN ISRAELI CORPORATE BODY, OF CHEN BOU-LEVARID 57, REHOVOT, ISRAEL.

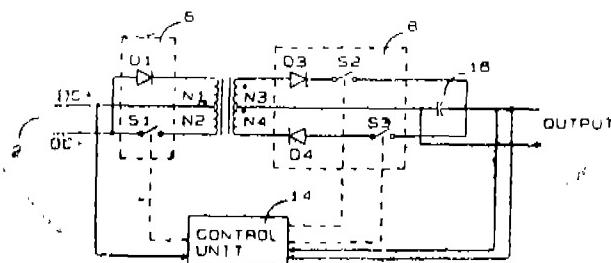
Inventors : (1) DANIEL RUBIN  
 (2) DIMITRY DOBRENKO  
 (3) RAFAEL MOGILNEN

Application No. 290/MAS/90 filed April 17, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

An inverter for supplying electrical energy from a DC supply to a load, comprising a transformer having a primary winding circuit coupled to the DC supply, and a secondary winding circuit coupled to the load; said primary winding circuit is provided with a first controlled switch for interrupting the DC supply; said secondary winding switch to produce an output of one sign when closed; said primary winding circuit comprising means to return energy to the DC supply only and always when said first and second switches are open; and a control circuit for separately and independently controlling the operation of said first and second switches to open and close, at the same frequency, such that during one interval in each cycle the switch in the primary winding is closed to produce an excess of energy which is stored in said transformer, and during another interval in each cycle the switches in the primary winding and the secondary winding are open and the excess energy stored in the transformer is returned to the DC supply, thereby permitting fast and stable control.



(Com. - 35 pages;

Drwgs. - 9 sheets

Ind. Class - 1 A

176755

Int. Cl.<sup>4</sup> - C 09 J 3/14.

#### A SOFT-RUBBING ADHESIVE COMPOSITION IN THE FORM OF A STICK AND A PROCESS FOR PREPARING THE SAME.

Applicant : HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLICS OF GERMANY; RESIDING AT : HENKELSTRABE 67, 4000 DUSSELDORF/DEUTSCHLAND, GERMANY.

Inventors : (1) Dr. GERHARD GIPRENZ  
 (2) Dr. WOLFGANG KLAUCK  
 (3) Dr. RAJNER HOFFER  
 (4) RONALD GRUTZMACHER

Application No. 293/Mas/90 filed April 17, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A soft-rubbing adhesive composition in the form of a stick comprising (a) a substantially solvent free aqueous dispersion of polyurethane and (b) 3 to 20% by weight, based on the total weight of the said adhesive stick, of a soap such as herein described as gel forming component.

(Com. - 25 pages)

Ind. Class - 9-A

176756

Int. Cl.<sup>4</sup> - C 22 C 21/00

21/10

#### A NOVEL THERMO-MECHANICAL PROCESS FOR THE MANUFACTURE OF LABORATORY MADE ALUMINIUM ALLOY IN SUPERPLASTIC FORM.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O., MADRAS - 600036, TAMIL NADU, INDIA, AN AUTONOMOUS BODY SETUP BY THE GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT.

Inventors : (1) Dr. KUPPUSWAMY ANANTHA PADMANABHAN  
 (2) SUNDARARAJ VENKATASAMY  
 (3) DORAISWAMY VISWANATHAN

Application No. 312/MAS/90 filed April 24, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A novel thermo-mechanical process for the manufacture of laboratory made aluminium alloy in superplastic form comprising the steps of homogenising the alloy based on Composition I, such as herein described, at 480°C ± 50°C for three hours and water quenching the same; overaging the said alloy at 400°C ± 5°C for eight hours and water quenching the same; hot rolling the said alloy at 220°C ± 5°C and reheating the rolled stock to the rolling temperature after every two passes; recrystallising at 40°C ± 5°C for 30 minutes and water quenching the same.

(Com. - 10 pages; Drwgs. - 2 sheets)

Ind. Class - 32-D

176757

Int. Cl.<sup>4</sup> - C 07 F 9/00.

#### PROCESS FOR PRODUCING VANADIUM-ARENES.

Applicant : ENICHEM ANIC, S.p.A, A COMPANY ORGANIZED UNDER THE LAWS OF THE ITALIAN REPUBLIC OF VIA, RUGGERO SETTIMO, 55-90139 PALERMO, ITALY.

Inventors : (1) FAUSTO CALDERAZZO  
 (2) GUIDO PAMPALONI  
 (3) FRANCESCO MASI  
 (4) ANGELO MOALLI  
 (5) RENZO INVERNIZZI

Application No. 319/MAS/90 filed April 24, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

Process for producing vanadium arenes defined by the general formula, [V(arene)<sub>2</sub>], wherein arene is selected from benzene, mono-, di- or poly- alkylsubstituted- benzene comprising

the step of reacting in an inert liquid medium selected from the aliphatic hydrocarbons and the cyclic ethers or any admixtures thereof, a stoichiometric amount of vanadium arene iodide [V(arene)<sub>2</sub>I] with a stoichiometric amount or a slight excess thereof of a reducing agent selected from metallic zinc, metallic manganese, metallic iron and cobalt di(cyclopentadienyl) at a temperature of from 20°C to 60°C and for a time of from 15 minutes to 20 hours to obtain vanadium arene [V(arene)<sub>2</sub>].

(Com. - 14 pages)

Ind. Class - 69-A&B 176758  
Int. Cl. 4 - H 02 H 3/00.

**A SOLID-STATE TRIP DEVICE FOR AN ELECTRICAL CIRCUIT BREAKER FOR THE PROTECTION OF A THREE PHASE MAINS SYSTEM.**

Applicant : MERLIN GERIN, 2, CHEMIN DES SOURCES, F 38240 MEYLAN, FRANCE, A FRENCH COMPANY.

Inventor : FRAISSE DIDIER.

Application No. 323/Mas/90 filed April 25, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A solid-state trip device for an electrical circuit breaker for the protection of a three-phase mains system, said device comprising current detection means (16) producing analog signals (I<sub>1</sub>, I<sub>2</sub>, I<sub>3</sub>, IN) proportional to the currents flowing in the main system conductors, an electronic processing unit (20) to which said analog signals (I<sub>1</sub>, I<sub>2</sub>, I<sub>3</sub>, IN) are applied to deliver a circuit breaker tripping order in the event of exceeding present thresholds by said analog signals, the said electronic processing unit (20) comprising fault type detection means, first comparison means (22, 24, 26, 28) for comparing said analog signals (I<sub>1</sub>, I<sub>2</sub>, I<sub>3</sub>, IN) with a first threshold (S<sub>1</sub>), second comparison means (30, 32, 34, 36) for comparing said analog signals (I<sub>1</sub>, I<sub>2</sub>, I<sub>3</sub>, IN) with a second threshold (S<sub>2</sub>) higher than the first threshold (S<sub>1</sub>), and determining means (38, 40, D<sub>1</sub>, D<sub>2</sub>) to determine whether at least a first predetermined number of said analog signals is lower than the first threshold (S<sub>1</sub>) and at least a second predetermined number of said analog signals is higher than the second threshold (S<sub>2</sub>) at the same time.

(Comp. - 17 pages; Drwgs. - 3 sheets)

Ind. Class - 97-E 176759  
Int. Cl. 4 - F 27 D 11/06  
H 5 B 6/36.

**AN INDUCTION FURNACE FOR HEATING STEEL STRIPS**

Applicant : GIOVANNI ARVEDI, AN ITALIAN CITIZEN OF VIA MERCATILLO 26, CREMONA, ITALY.

INVENTOR : GIOVANNI GOSIO

Application No. 336/Mas/90 filed May 3, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

An induction furnace for heating steel strips having a thickness lower than 30 mm and for rendering homogenous temperature up to a value required for the subsequent steps of hot rolling, comprising an array of coils (2) each of which is embedded in a refractory material at the inside of an inductor unit (3), separately fed by one or more frequency converters being crossed in succession by the strip (1) which is supported and caused to move forward by pairs of rollers (10)

between each coil (2) and the subsequent one, characterized in that the length of each coil (2) in the strip forward direction is less than 500 mm, there being also provided pairs of flux concentrators (4, 4') disposed at least on the upper or lower side of each inductor (3) with respect to the plane defined by the strip (1).

(Com. ~ 13 pages; Drwgs. ~ 2 sheets)

Ind. Class - 38; 134-B & 53-C 176760

Int. Cl. 4 - F 16 H 7/06  
F 16 G 13/00

**AN IMPROVED TRANSMISSION CHAIN.**

Applicant : TI DIAMOND CHAIN LIMITED, TIAM HOUSE, 28 RAJAJI ROAD, MADAS-600 001, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors : (1) GOVINDARAGHAVAN RAMESH  
(2) RAMAMURTHY NATRAJAN  
(3) ARUNACHALAM SIVAKUMAR

Application No. 368/MAS/90 filed May 15, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

An improved transmission chain comprising a plurality of links fastened together by pins received in bushes, wherein the curvature of each pin matches that of the bush in the working zone but is relieved in the non-working zone.

(Com. - 6 pages; Drwgs. - 1 sheet)

Ind. Class - 146-C 176761  
Int. Cl. 4 - G 01 J 3/00.

**AN APPARATUS FOR THE SPECTROSCOPIC ANALYSIS OF MOLTEN METAL.**

Applicant : LEHIGH UNIVERSITY, OF 526, BROADHEAD AVENUE, BETHELHEM, PENNSYLVANIA 18015, U.S.A., A UNIVERSITY INCORPORATED UNDER THE LAWS OF U.S.A. .

Inventor : YONG W. KIM.

Application No. 206/Mas/90 filed March 20, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

16 Claims

An apparatus for spectroscopic analysis of a molten metal, comprising a probe with a casing having an open end adapted to be immersed in the molten metal; laser means disposed in said casing for irradiating the surface of the molten metal adjacent to the open end casing with a laser beam so as to produce a plasma having a composition representative of the composition of the molten metal; spectroscopic detecting means disposed in said casing and optically coupled to the plasma for detecting spectral components of radiation emitted by the plasma thereby producing signals corresponding to the detected spectral components, signal processing means for processing these signals, the said probe is provided with introducing means for introducing an inert gas under pressure into a space between a focusing lens of the laser means and the surface of the molten metal, rangefinder means disposed in the casing for detecting the distance between the surface of the molten metal and focusing lens, and controlling means for controlling the pressure of the inert gas introduced into said space based on the detected distance between the surface of the molten metal and the focusing lens so that said distance between the surface of the molten metal and the focusing lens is maintained at a predetermined distance.

(Com. 54 pages; Drwgs. - 6 sheets)

Ind. Class - 39-L

176762

Int. Class - B 01 J 21/06.

**A PROCESS FOR THE PREPARATION OF CALCINED TITANIA EXTRUDATES.**

Applicant : SHELL INTERNATIONALE RESEARCH-MAATSCHAPPIJ B. V., A NETHERLANDS COMPANY OF CAREL VAN BYLONDTLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors : (1) JACOBUS THEODORUS DAAMEN  
 (2) HENNIE SCHAPER  
 (3) JOHANNES ANTHONIUS ROBERT VAN VEEN.

Application No. 210/Mas/90 filed March 21, 1990.

Convention date : March 23, 1989; (No. 8906726.8; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**10 Claims**

A process for the preparation of a calcined titania extrudate comprising the steps of mixing and kneading a particulate titania with water and an alkanolamine or ammonia or an ammonia releasing compound such as herein described to obtain a titania dough having a total solid content of from 50 to 85% by weight, the alkanolamine or ammonia being present in an amount of from 0.5 to 20% by weight on the total solids content of the titania dough extruding the titania dough to obtain titania extrudates, and drying and calcining the titania extrudates to a final temperature of between 300 and 1000°C to form the calcined titania extrudate.

(Com. - 14 pages)

Ind. Class - 190-B

176763

Int. Cl. - F 02 K 7/14.

**AN IMPROVED FLYWHEEL ROTOR ASSEMBLY FOR EQUIPMENT SUCH AS COMBUSTION ENGINES, PUMPS, TURBINES.**

Applicant & Inventor : PANIYAL SHIVANANDA RAO, OF PAIS HILL, LADY HILL, ASHOK NAGAR POST, MANGALORE-575 006, AN INDIAN NATIONAL.

Application No. 217/MAS/90 filed March 26, 1990.

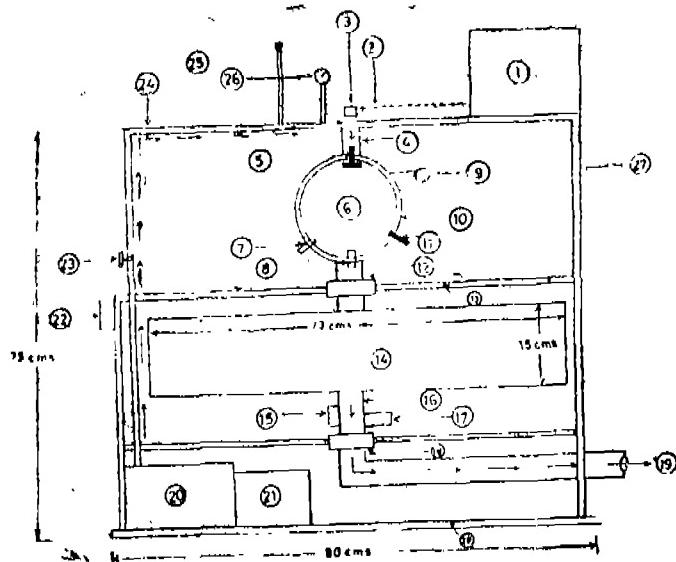
Complete Specification left : March 5, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**10 Claims**

An improved flywheel rotor assembly for equipments such as combustion engines, pumps, turbines comprising at least two chambers formed by juxtaposing three engraved plates, the said engraving aligning to form a curved helical bore between the first and the second plate and between the second and the third plate, the length of the bore in the first chamber constituted by the first and second plates being greater than the length of the bore in the second chamber constituted by the second and third plate, the radius of the bore in the first chamber is either equal or more than the radius of the bore in the second chamber, the direction of the bore in the first chamber being opposite to the direction of the bore in the second chamber, a venturis interconnecting the curved bores of the said chambers, a first hollow shaft, one end of which is connected to the bore of the first chamber while the other end is connectable to a source of compressed air, fuel or mixture thereof, and a second hollow

shaft, one end of which is connected to the bore of the second chamber, the other end being open to the atmosphere, the said shafts thereby establishing communication between the first and the second chamber.



(Prov. - 9 pages; Com. - 25 pages;

Drwgs. - 3 sheets)

Ind. Class - 122

176764

Int. Cl. - B 03 C 1/00

**APPARATUS FOR THE MAGNETIC TREATMENT OF A FLUID.**

Applicant : ISOLA ALICE, AN ITALIAN CITIZEN OF VIA POZZO 24, IT-16000, GENUA/ITALY.

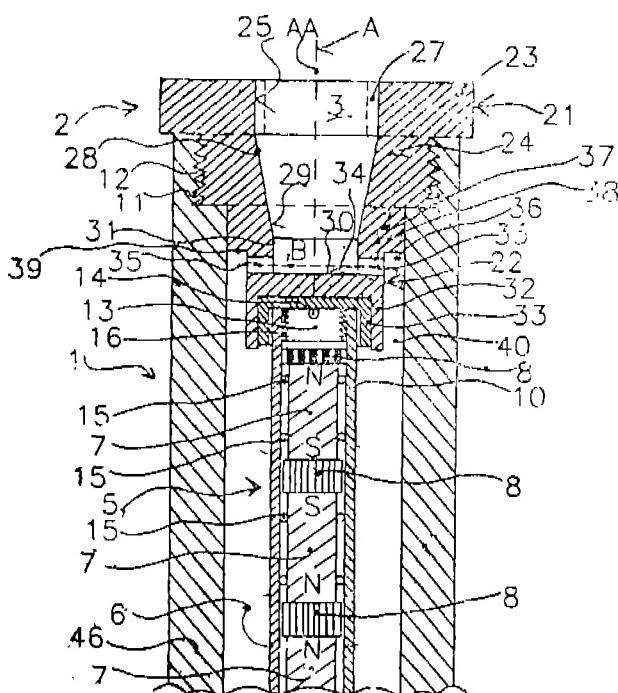
Inventor : MONDINI PIERRE.

Application No. 223/MAS/90 filed March 27, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**15 Claims**

An apparatus for the magnetic treatment of a fluid, such as water comprising an essentially tubular jacket (1), and a magnet assembly (5), which contains at least one bar-shaped magnet (7) provided inside the jacket (1) with a gap (6) between the inner side of the jacket and the outer side of the magnet assembly, and having end-pieces (2; 60) which are located to the ends of the jacket (1) and the magnet assembly (5) for connecting to a piping network, each said end-piece having a central cavity (3), and having at least one channel (35) which connects the central cavity (3) to the gap (6) allowing flow of liquid wherein the longitudinal axis (B) of the connection channel (35) lies in a plane which is perpendicular to the longitudinal axis (A) of the central cavity (3), or the longitudinal axis (B) of the connection channel (35) extends obliquely in relation to the said transverse plane with the angle alpha between the longitudinal axis (B) of the channel and the longitudinal axis (A) of the cavity differing from a right angle by 1 to 9 degrees.



(Com. - 27 pages;

Drws. 8 sheets)

Ind. Class - 172-C

176766

Int. Cl. I D 01 G 15/78.

## A DEVICE FOR REMOVAL OF WASTE FROM THE FLATS OF A CARDING MACHINE.

Applicant : THE KADRI MILLS (CBE) LTD., 79 & 80 TRICHY ROAD, ODDERPALAYAM, ONDIPUDUR POST, COIMBATORE-641 016, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors : (1) GOVINDA SAMY NAIDU KANNAPPAN  
(2) VEERAPPAN CHINNA VEERAPPAN

Application No. 234/MAS/90 filed April 2, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A device for removal of waste from the flats of a carding machine comprising a suction box connected by a flexible hose to one end of a suction tube, the other end of the suction tube being closed, the said tube being perforated along its length and located over, with its perforations disposed along, the flats to draw out waste from the flats by pneumatic suction pressure exerted through the perforations; and known oscillating means connected to the said tube for moving the latter to and fro across, and over, the flats.

(Com. - 7 Pages; Draw. - 1 sheet)

Ind. Class - 31-C

176765

Int. Cl. I H 01 L 21/22.

## A METHOD OF MANUFACTURING A BIPOLAR POWER SEMI CONDUCTOR DEVICE AND A BIPOLAR POWER SEMI CONDUCTOR DEVICE THEREOF.

Applicant : GENERAL INSTRUMENT CORPORATION, OF 767 FIFTH AVENUE, NEW YORK, NEW YORK 10153, U.S.A., A CORPORATION OF THE STATE OF DELAWARE, U.S.A.

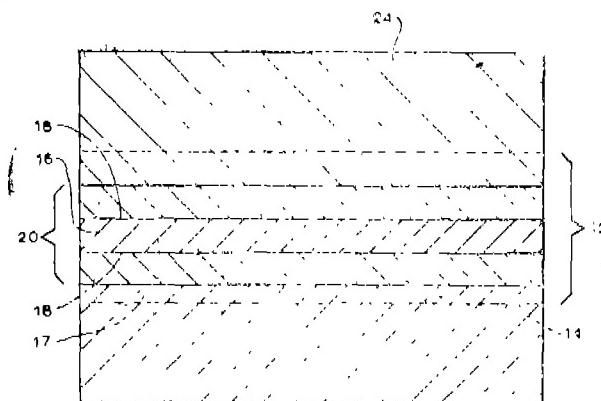
Inventor : ALI SALIH.

Application No. 231/MAS/90 filed March 30, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 25 Claims.

A method of manufacturing a bipolar power semiconductor device with controlled switching speed comprising the steps of providing a silicon substrate, forming an epitaxial layer comprising a depletion region and a diffused layer, characterised in that misfit dislocation are formed in the said depletion region spaced from the interface between the epitaxial layer and the substrate.



(Com. - 25 pages;

Drawgs. - 5 sheets)

Ind. Class - 116-C

176767

Int. Cl. I B 65 G 45/00.

## CONVEYOR BELT CLEANER.

Applicant : MARTIN ENGINEERING COMPANY, A CORPORATION OF THE STATE OF ILLINOIS, U.S.A., OF U.S. ROUTENO. 34, NEPONSET, ILLINOIS 61345, UNITED STATES OF AMERICA.

Inventor : ROBERT T. SWINDERMAN.

Application No. 393/MAS/90 filed May 21, 1990.

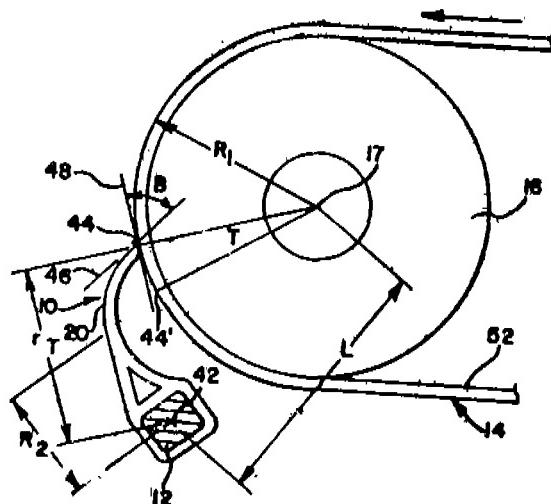
Convention date : March 23, 1990; (No. 2012989; Canada).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 8 Claims.

A conveyor belt cleaner for cleaning the surface of a conveyor belt, comprising scraper blade adapted to be mounted on a rotatable support member positioned generally transverse to the direction of conveyor belt travel, said scraper blade having a curvilinear scraping having a scraping edge at one end for contacting said conveyor belt along a line of contact, said scraper blade being rotatable either into or out of contact with said conveyor belt through rotation of said support member, said curvilinear scraping surface having a cleaning angle formed between a first line tangent to said scraping surface and passing through a point in said line of contact, and a second line tangent to said conveyor belt and passing through said same point in said line of contact as said first line, whereby said cleaning angle remains constant as the

scraper blade wears and the scraper blade is radially adjusted throughout the wear life of said scraper blade.



(Com. - 18 pages; Drwgs. - 2 sheets)

Ind. Class - 156-A

Int. Cl.4 - F 04 B 19/20;  
19/22  
B 29 C 47/36.

176768

#### A VOLUMETRIC PUMP.

Applicant : SEDEPRO, OF 25, RUE DE L'ARCADE,  
75008 PARIS, FRANCE, A FRENCH COMPANY.

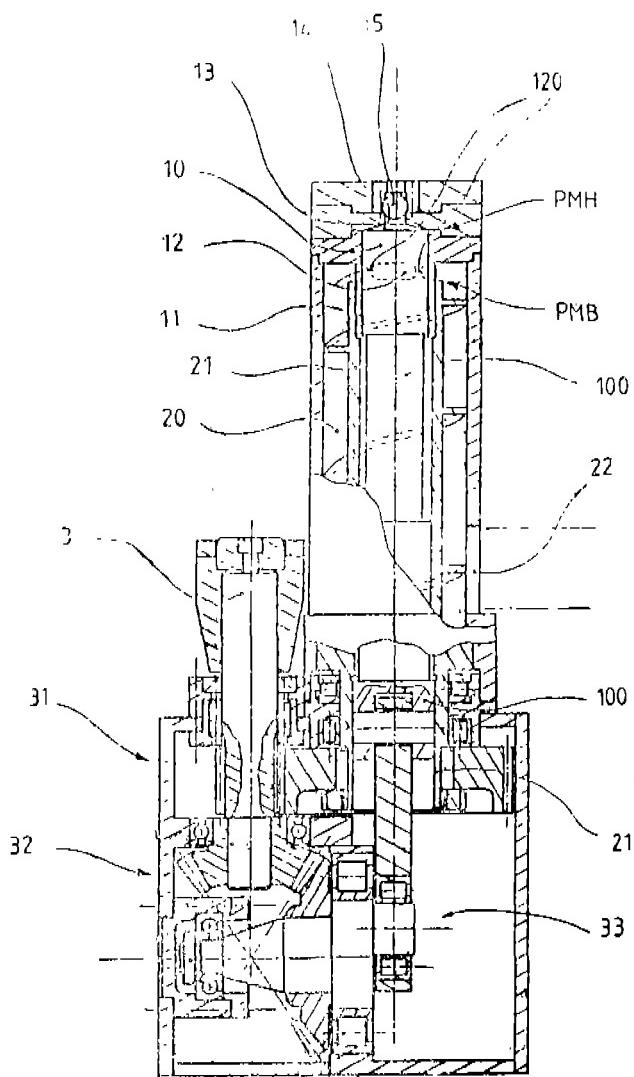
Inventors : (1) DANIEL LAURENT  
(2) MICHAEL DEAL  
(3) FRANCIS BRIHAYE

Application No. 416/MAS/90 filed May 28, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims

A volumetric pump having an admission trap and an outlet orifice comprising a cylinder with at least one delivery piston sliding reciprocatingly between a top dead centre and a bottom dead centre thereof, the wall of the said cylinder having an opening for admission of the material to be pumped the said opening closable during the delivery stroke of the piston, an evacuation opening provided with a non return means, means for feeding the cylinder through the admission opening and a cam system for controlling the movement of the piston and for discharging a constant volume of the material through the outlet orifice at a constant speed.



(Com. - 19 pages; Drwgs. - 6 sheets)

Ind. Class 47-E

176769

Int. Cl.4 - C 10 B 21/00.

#### HEATING SYSTEM FOR REGENERATIVE COKE OVEN BATTERIES.

Applicants : (1) DIDIER OFU ENGINEERING GMBH, OF GILDEHOFSTRASSE 1, 4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY; (2) KRUPP KOPPERS GMBH, OF ALTENDORFER STRASSE 120, 4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY AND (3) STILL OTTO GMBH, OF CHRIESTSTRASSE 9, 4630 BOCHUM 1, FEDERAL REPUBLIC OF GERMANY, (ALL GERMAN COMPANIES).

Inventors : (1) MANFRED BLASE  
(2) ULRICH KOCHANSKI  
(3) DIETRICH WAGENER  
(4) HEINZ DURSELEN  
(5) JOACHIM HOITZ  
(6) LUDWIG OFFERMANN  
(7) JURGEN TIETZE

Application No. 424/MAS/90 filed May 29, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 10 Claims

Heating system for regenerative coke oven batteries heated with rich gas and/or lean gas or mixed gas with vertical heating flues (3, 3a) divided into twin-flue groups connected with regenerators (15, 16) for reheating the air or, in the event of lean gas heating, also preheating the lean gas or mixed gas (14) characterized in that :

(a) each heating flue (3) is provided with outlet openings (5, 6, 7) for the supply of combustion air at a minimum of three elevations with one outlet opening (6, 7) at the heating flue sole directly connected with the regenerators (14, 15, 16) the upper outlet openings (5) are connected to the regenerators by hollow header ducts (4) in the cross walls or by separate ducts;

(b) the regenerators (15, 16) for preheating the air are divided in the longitudinal direction of the oven with part of the regenerators being connected with the outlet openings (6) at the heating flue sole and the other part with the hollow header ducts (4) or the separate ducts, and the relevant air flows to both parts being separately adjustable from the outside;

(c) above the heating flue sole damper blocks (17) which can be manipulated from the outside are provided for the adjustment of air distribution at the outlet openings (5) and

(d) closable openings such as circulating flow opening (18, 19) are provided for the internal waste gas recovery at the bottom of the heating flue in the cross walls between up-burning and downburning heating flues (3, 3a).

(Com. - 13 pages; Drawgs. - 4 sheets)

Ind. Class - 172-F

176770

Int. Cl.<sup>4</sup> - G 01 L 5/00.

**AN APPARATUS FOR DETERMINING STRENGTH PROPERTIES OF A TEST MATERIAL SUCH AS YARN.**

Applicant : ZELLWEGER USTER AG, OF WILSTRASSE 11, CH-8610 USTER, SWITZERLAND, A SWISS COMPANY.

Inventor : HEINZ ETTER.

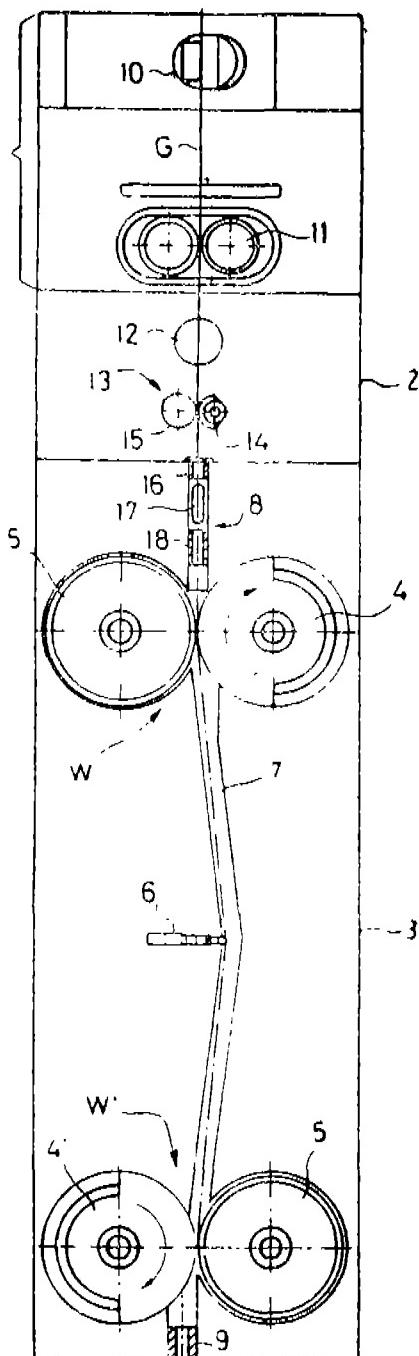
Application No. 425/MAS/90 filed May 29, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 21 Claims

An apparatus for determining strength properties of a test material such as yarn, the said apparatus comprising drawing-off means for continuously draining off the test material from a supply, a first driveable clamping member for receiving test material from the supply and a second drivable clamping member at a distance from the first driveable clamping member for receiving test material from the first driveable clamping member, each said clamping member having a rotatable roller for elongating the fed test material by means of rotation of the rollers and a store arranged between the drawing-off means and the first clamping member in the running direction of the test material, each said clamping member being formed by a roller pair (W, W') in which the surface of one of the rollers (4, 4') of the pair is alternately in contact with and spaced from the surface of the other roller (5, 5') of the pair as the rollers are rotated so that each clamping member provides a periodical opening and closing of clamping gap for the test material and a yarn channel for the test material between the roller pair (W, W'),

the said yarn channel (7) being provided with a sensor (6) for measuring force exerted on the yarn.



(Com. - 18 pages; Drawgs. - 3 sheets)

Ind. Class - 61-H

176771

Int. Cl.<sup>4</sup> - F 26 B 21/02

**A DEVICE FOR THE SMOKE DRYING OF AGRICULTURAL PRODUCTS.**

Applicant : LOW HEAT DRIVERS PVT. LTD., AN INDIAN COMPANY OF KIZHAKKAMBALAM - 683 562, ERIAKULAM DIST., KERALA, INDIA.

Inventor : CHENNAKKOTTUPUTHENPURAYIL POTHENUTHUP.

Application No. 428/MAS/90 filed May 31, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 5 Claims

A drying device comprising at least one furnace and one or more drying chambers having doors, each said chamber being provided with a plurality of horizontal partition plates to define several tiers, the tiers of each chamber being interconnected with the corresponding tiers of the adjacent chamber, the partition plates of each chamber being in alignment with the corresponding partition plates of the adjacent chamber leaving no gap therebetween so as to constrain the hot smoke and fume gases to pass through all the tiers at same level and then take a U-turn to enter the tiers of the higher level in succession and means for loading and unloading the tiers with the material being dried.

(Com. - 8 pages; Drwgs. - 3 sheets)

reactor is operating; (k) measuring said at least one output variable predicted by said predicting algorithm from the sample of carbon black while the carbon black reactor is operating; (l) adjusting said predicting algorithm based on a comparison between said measured value or said at least one output variable and said predicted value of said output variable, in order to more correctly predict said at least one output variable; and (m) repeating steps a through l.

(Com. - 50 pages ; Drwgs. - 6 sheets)

Ind. Class - 108-B\*

176773

Int. Cl.4 - C 22 B 5/02.

#### A PROCESS FOR SMELTING A METALLURGICAL WASTE MATERIAL TO PRODUCE A SLAG PRODUCT.

Applicant : AUSMELT PTY. LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF VICTORIA, AUSTRALIA, OF 594 HIGH STREET, KEW, VICTORIA 3101, AUSTRALIA.

Inventors : (1) BRAIN ROSS BALDOCK  
 (2) JOHN MILLICE FLOYD  
 (3) BRIAN WILLIAM LIGHTFOOT  
 (4) KENNETH ROLAND ROBILLIARD

Application No. 671/MAS/90 filed August 23, 1990.

Convention date : August 24, 1989; (No. PJ5948; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 26 Claims

A process for smelting a metallurgical waste material to produce a slag product having an environmentally acceptable toxic element content, wherein the said waste material contains; at least one iron compound, at least one heavy metal which necessitates smelting under strongly reducing conditions for its removal by volatilization, and at least one toxic element which is stabilised in a matte or speiss phase formed from the iron compound under reducing conditions so as to then necessitate smelting under other than strongly reducing conditions for its volatilization; the said process comprising the steps of subjecting the waste material to a smelting operation in a furnace in the presence of a reductant; said smelting operation being conducted by submerged injection of a fuel and an oxygen containing gas into a melt of the waste material formed in the furnace to generate at least one submerged combustion region, where the melt is oxidised; the said reductant providing reducing conditions in the melt, and relatively strong reducing conditions at least on the surface of the melt, to substantially volatilise at least one heavy metal and to form a matte or speiss phase from at least one iron compound in which the at least one toxic element is stabilised and taken up; and the said melt along with the matte or speiss is circulated, by the injection of fuel and oxygen-containing gas, to the said at least one combustion region and the said matte or speiss is oxidised in the at least one combustion region to cause volatilization of the at least one toxic element.

(Com. - 20 pages)

Ind. Class : 32-F<sub>1</sub>

176774

Int. Cl.4 : C 07 C 17/00; 17/16.

#### PROCESS FOR THE PREPARATION OF HALOGENO-ALKANES.

Applicant : WACKER-CHEMIE GMbH, OF PRINZRE-GENTENSTRASSE 22, D-8000 MUNCHEN 22, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : (1) Dr. ULRICH GOETZE  
 (2) Dr. PETER PAUL WINKLER.

Application No. 717/Mas/70 filed September 11, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 8 Claims

A process for the preparation of halogenalkane having 1 to 4 carbon atoms said process comprises reacting at a temperature of 90°C to 200°C and at a pressure of 1000 to 16,000 hPa an alkanol having 1 to 4 carbon atoms with a hydrogen halide in the liquid phase containing 10 to 90 percent by weight of an amine halide based on the total weight of the liquid phase and calculated as the weight of free amine.

(Compl. Specn. 15 pages)

Drawg. 1 sheet)

Ind. Clas : 32C 176775  
Int. Cl. : C 12 P 21/00.

**A PROCESS FOR THE PRODUCTION OF AN UNFUSED PROTEIN.**

Applicant : ASTRA RESEARCH CENTRE INDIA, A REGISTERED INDIAN SOCIETY OF 18TH CROSS MALLESWARAM, BANGALORE-560 003, KARNATAKA STATE, INDIA.

Inventors : (1) KASIRAJAN AYYANATHAN  
(2) SANTANU DATTA.

Application No. 726/Mas/90 filed September 14, 1990.

Complete Specification left November 28, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 1 Claim

A process for the production of an unfused protein by :

- Amplification of the gene (DNA or RNA) by PCR from the second codon;
- Digestion of the vector e.g. pTRC 99A with NcoI and filling the ends with Klenow DNA polymerase in the presence of dNTPs using standard procedure;
- Ligating products of a and b under standard conditions;
- Transformation of the ligated product from c into a suitable E. coli host and selecting for the desired recombinant strain by known method;
- Expression of the desired protein using the recombinant strain by known methods; and
- Purification of the desired protein from step e and characterisation of the purified protein by known methods.

(Prov. 5 pages);

(Compl. Specn. 18 pages;

Drawg. 5 sheets)

Ind. Clas : 127-A 176776  
Int. Cl. : F 16 D 11/00

**A CLUTCH MECHANISM.**

Applicant & Inventor : UDOYANT MALHOTRA, AN INDIAN NATIONAL OF II PEENYA INDUSTRIAL AREA, TUMKUR ROAD, BANGALORE-560 058, INDIA.

Application No. 747/Mas/90 filed on September 19, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 3 Claims

A clutch mechanism comprising a housing having an input drive shaft provided with a cam, an output shaft having a

ball cage provided with a plurality of circumferentially disposed radial holes each of which are adopted to accommodate a ball, a sleeve disposed around the ball cage for axial movement of said sleeve in relation to said ball cage between an engagement position and a disengagement position by an attached lever, whereby said balls engage with grooves provided on said cam on said drive shaft and transmit rotation imparted to said drive shaft to the output shaft; when the sleeve is located in its engagement position and provide free movement to said balls when the said sleeve is located in its disengagement position due to the clearance provided between said sleeve and said ball cage when the said sleeve is located in its disengagement position and stopping the transmission of rotation from input shaft to the output shaft at the disengagement position of the sleeve.

(Comp. 6 pages;

Drawg. 1 sheet)

Ind. Clas : 50-D 176777

Int. Cl. : F 25 B 3/00

**ROTARY INDIVIDUAL QUICK FREEZER.**

Applicant : BHARAT HEAVY PLATE AND VESSELS LTD., OF VISAKHAPATNAM-530 012, A GOVERNMENT OF INDIA ENTERPRISE.

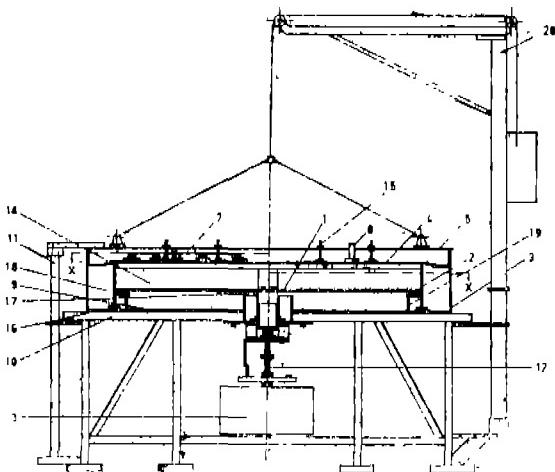
Inventors : (1) DR. GIRIMAJI JAYARAO GURU RAJA,  
(2) VELAGALA PEREDDY, (3) DODDI VENKATA LAKSHMANA RAO, (4) MANEPALLI VEERA VENKATA VIDYASAGAR.

Application No. 783/Mas/90 filed on October 4, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 6 Claims

A rotary individual quick freezer comprising a freezing chamber consisting of vertical sides with a double wall shell (2 & 3) having a double wall door (6) for charging and discharging the freezing product, a double wall top cover (4 & 5) provided with means for spraying (7) cryogenic fluid and means for venting (8) the exhaust gases, a double wall bottom side having a fixed plate (9) as the outer bottom wall and a rotary plate (1) as the inner bottom wall, the said rotary plate (1) being rotatably mounted on a thermally insulated shaft (12 & 17) connected to a drive system (13) for rotating the rotary plate (1); and a support frame (10) for supporting the said freezing chamber; wherein the space between the inner and outer walls of the freezing chamber is filled with a suitable thermally insulated material and the said rotary plate (1) has means (14) disposed on the surface facing the freezing chamber for providing a tortuous path for the cryogenic fluid sprayed into the freezing chamber.



(Comp. 18 pages;

Drawg. 2 sheets)

Ind. Class : 162

176778

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

Int. Cl.<sup>4</sup> : F 16 G 11/00**APPARATUS FOR DETACHABLY CLAMPING TENSIONING AND SECURING ROPES, CABLES, WIRES, BELTS OR THE LIKE.**

Applicant : LACREX SA, OF VIA ECO CASA LUCE, CH-6644 ORSELINA/TI, SWITZERLAND. A SWISS COMPANY.

Inventor : MAX PASBRIG.

Application No. 866/Mas/90 filed on October 29, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

17 Claims

An apparatus for detachably clamping, tensioning and securing ropes, cables, wires, belts or the like, comprising a thick-walled housing (1) having a longitudinal hole which runs in the axial direction and an oblique hole which obliquely opens into the longitudinal hole, a spring loaded clamping unit axially displaceable in the said longitudinal hole and a handle which passes through the housing and serves for displacement of the clamping unit, the said clamping unit being self-locking and clamping the rope fed through the end orifice of the longitudinal hole and emerging through the oblique hole, wherein the clamping unit (5, 9, 45) has an axial projection (6, 9') on each of the opposite sides, guide slots (27, 20) which are located opposite one another and serve for guiding the axial projections are formed in the housing (1) and the ends of the axial projections form handles extending beyond the housing.

(Comp. 17 pages;

Drawgs. 8 sheets)

Ind. Class : 128-K

176779

Int. Cl.<sup>4</sup> : A 61 B 17/04**METHOD OF MAKING SURGICAL ATRAUMATIC NEEDLE SUTURES AND THE NEEDLE SUTURES MADE THEREBY.**

Applicant & Inventor : DR. KALAPPAT JIL KRISHNAN-KUTTY, AN INDIAN NATIONAL OF VIJAYASREE EYE HOSPITAL, TRICHUR-680 004, KERALA, INDIA.

Application No. 961/Mas/90 filed on November 28, 1990.

5 Claims

A method of making atraumatic needle sutures, comprising passing a suture thread through the lumen of an injection needle or sharpened stainless steel capillary tube of desired gauge, preferably from 24G to 30G, drawing the thread to a predetermined length, preferably from 6 to 10 mm, spatulating the needle/tube so as to anchor the thread within the lumen thereof, and thereafter cutting and disposing off the undesired portion of the needle/tube, and finally bending the threaded needle to the desired curvature, preferably from 1/3rd to 1/2 round.

Agent : Shri K. T. Jose

(Comp. 9 pages;

Drawgs. 1 sheet)

Ind. Class : 69-D

176780

Int. Cl.<sup>4</sup> : H 01 H 50/76**A REED RELAY.**

Applicant : LUCAS-TVS LIMITED, PAIDI, MADRAS-600 050, INDIA DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

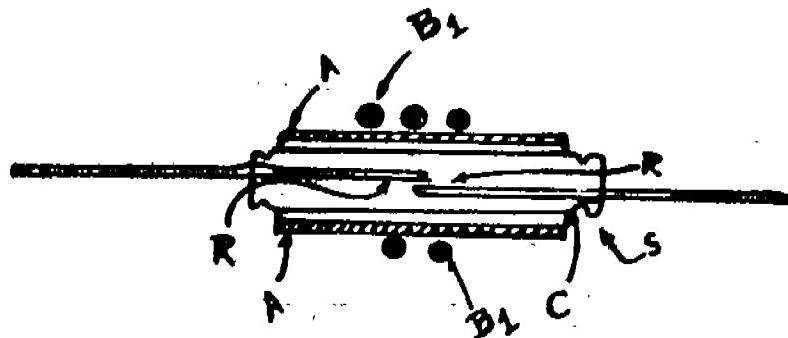
Inventors : (1) KRISHNAVILASAM RAGHAVAN ANANDAKUMARAN NAIR, (2) REVANUR HARINDRANATH SUDHAKAR, (3) SRINIVASAN KRISHNA KUMAR.

Application No. 968/Mas/90 filed November 30, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A reed relay consisting of a reed switch comprising a pair of magnetic, flexible, cantilever reeds hermetically sealed in a capsule, the free ends of the reeds being either normally open or normally closed, characterised by a sleeve made of a magnetically susceptible material surrounding the capsule, the said sleeve being movably disposed with respect to the capsule; means for fixing the sleeve in the desired position with respect to the capsule; and an operating coil, for carrying electric current, surrounding the said sleeve.



(Comp. 9 pages;

Drawgs. 1 sheet)

**CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970**

The claim made by FOSBEL INTERNATIONAL LIMITED England, has been allowed under Section 20(1) of the Patents Act, 1970 in respect of Patent application No. 598/Mas/88 (171909).

**AMENDMENT PROCEEDINGS UNDER SECTION 57**

The Amendment proposed by "Mitsubishi Denki Kabushiki Kaisha" in respect of Patent No. 172845 (279/Bom/1990) as advertised in Part III, Section 2 of Gazette of India on 23-3-1996 and no opposition being filed within the stipulated period; the same amendments have been allowed.

The amendments proposed by FOSBEL INTERNATIONAL LIMITED under Section 57 of the Patents Act, 1970, in respect of Patent Application No. 598/Mas/88 (171909) as advertised in Part III, Section 2 of the Gazette of India dated 18-2-1995 and no Opposition being filed within the stipulated period the said amendments have been allowed.

**CESSATION OF PATENTS**

158732 158879 158987 159011 159036 159040 159046 159095  
159122 159180 159182 159236 159241 159242 159297

**RENEWAL FEES PAID**

155244 156181 156197 156262 156623 157028 157131 158157  
158159 158205 158622 158632 158638 158740 158766 159394  
159845 159938 159939 159942 160005 161099 161103 161593  
161811 163728 164234 164235 164298 165367 165744 165843  
166201 166801 166837 166838 166878 166907 166908 166979  
166993 167063 167376 167412 167471 167778 168182 168402  
168816 168817 168818 168819 168830 168841 168845 169245  
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170882 170995 170996 171074 171076 171183 171127 171189  
171190 171327 171329 171490 171532 171579 171580  
171762 171763 171765 171820 171888 171899 172032 172245  
172451 172452 172613 172672 172882 172897 172899 172900  
172911 173171 173178 173209 173260 173291 173396 173467  
173468 173735 173955 173956 173960 174095 174115 174118  
174135 174391 174392 174398 174399 174400 174513 174517  
174518 174534 174539 175195 175281 175557 175558 175559  
175583 175584 175585 175586 175587 175591 175592 175593  
175594 175595 175600 175640 175642 175648 175649 175652  
175654 175656 175657 175683 175684

**PATENT SEALED ON 9-8-96**

176144 176181\* 176182 176184 176185 176190\*D 176201\*  
176204 P176208 176209 176210

CAL—10, DEL—01, MUM—NIL, MAS—NIL.

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of Sealing.

D—Drug Patents, F—Food Patents.

**REGISTRATION OF DESIGNS**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 170937 & 170938, Velmor Home Decor Pvt. Ltd., of Dayasagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian company, "TOWELL ROD", 21st March 1996.

Class 1. No. 170939, Velmor Home Decor Pvt. Ltd., of Dayasagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian company, "WALL PEG", 21st March 1996.

Class 1. No. 170940, Velmor Home Decor Pvt. Ltd., of Dayasagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian company, "SOAP DISH", 21st March 1996.

Class 1. No. 170205, Velmor Home Decor Pvt. Ltd., of Dayasagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian company, "STOP COCK", 16th November 1995.

Class 1. No. 170208, Velmor Home Decor Pvt. Ltd., of Dayasagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian company, "SINGLE LEVER BATH MIXER DIVERTER", 16th November 1995.

Class 1. No. 170213, Velmor Home Decor Pvt. Ltd., of Dayasagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian company, "FLUSH VALVE", 16th November 1995.

Class 1. No. 170443, Bajaj Electricals Limited, whose address is 45/47, Veer Nariman Road, Fort, Bombay-1, Maharashtra, India, "PEDESTAL FAN", 21st December 1995.

Class 1. No. 170444, Bajaj Electricals Limited, whose address is 45/47, Veer Nariman Road, Fort, Bombay-1, Maharashtra, India, "PEDESTAL FAN", 21st December 1995.

Class 1. No. 170445, Bajaj Electricals Limited, whose address is 45/47, Veer Nariman Road, Fort, Bombay-1, Maharashtra, India, "CEILING FAN", 21st December 1995.

Class 1. Nos. 170369 & 170370, Italik Metalware Pvt. Ltd., "KLICK", near Nutan Press, Sadar, P.B. No. 333, Rajkot-360001, Gujarat, India, "HANDLE", 11th December 1995.

Class 1. No. 170373, Italik Metalware Pvt. Ltd., "KLICK", near Nutan Press, Sadar, P.B. No. 333, Rajkot-360001, Gujarat, India, "KNOB", 11th December 1995.

Class 1. Nos. 170021, 170022 & 170028, Harada Industry Co. Ltd., of 4-17-13, Minamieoi, Shinagawa-Ku, Tokyo, Japan, a Japanese company, "ANTENNA FOR AUTOMOBILES", 12th October 1995.

Class 1. Nos. 170519 & 17522, Hunter Fan Company, 2500, Frisco Avenue, Memphis, Tennessee 38114, USA, "BLADE HOLDER FOR A CEILING FAN", 29th December 1995.

Class 1. No. 170520, Hunter Fan Company, 2500, Frisco Avenue, Memphis, Tennessee 38114, USA, "ELECTRIC CEILING FAN HOUSING", 29th December 1995.

Class 1. Nos. 170297, 170299 & 170300, Majestic Prod. Ltd., C 48, Focal Point, Ludhiana-141010, Punjab, India, "EXERCISE MACHINE", 27th November 1995.

Class 1. Nos. 170490 & 170496, Ajanta Watch Ltd., Orpat Industrial Estate, Rajkot Highway, P.B. No. 115, Morbi-363641, Gujarat, India, above address, "WRIST WATCH", 27th December 1995.

Class 3. Nos. 170279, 170280 & 170282, Racold Electrical Appliances Ltd., an Indian company of Vandhra, 5th Tolstoy Marg, New Delhi-110001, India, "WATER HEATER", 22nd November 1995.

Class 3. Nos. 170816 & 170817, Michelin Recherche Et Technique S.A., a corporation of Switzerland located at Route Louis-Braille 10 et 12, CH-1763, Granges-Paccot, Switzerland, "TYRE" at Month 1996.

- Class 3.** Nos. 170780 to 170782, Michelin Recherche Et Technique S.A., a corporation of Switzerland located at Route Louis-Braille 10 et 12, CH-1763, Granges-Paccot, Switzerland, "TYRE", 23rd February 1996.
- Class 3.** Nos. 170696 & 170697, Eagle Flask Industries Limited, Whose address is Eagle Estate, Talegaon-410507, Pune, Maharashtra, India, "WATER BOTTLE", 7th February 1996.
- Class 3.** Nos. 170236 to 170238, Wimplast Ltd., Vakil Industrial Estate, Ground Floor, Gala No. 6, Walbhat Road, Goregaon (E) Bombay-63, Maharashtra, India, "CHAIR", 20th November 1995.
- Class 3.** Nos. 170383 & 170384, The Torrington Company having an office at 59 Field Street, Torrington, Connecticut 06790, U.S.A., "FLANGE BEARING", 12th December 1995.
- Class 3.** Nos. 170355 & 170356, The Gillette Company, a Delaware corporation of Prudential Tower Building, Massachusetts 02199, U.S.A., "RAZOR HOLDER", 7th December 1995.
- Class 3.** Nos. 171010 to 171012, Dewan Tyres Limited, Rithani Delhi Road, Meerut, U.P.-250002, India, an Indian national and of the above address, "TYRE", 29th March 1996.
- Class 3.** Nos. 170726, 170733, 170735, 170736, 170739 & 170740, Ajanta Transistor Clock Mfg. Co. Orpat Industrial Estate, Rajkot Highway Morbi-363641 Gujarat, India, "CLOCK", 13th February 1996.
- Class 3.** Nos. 170215 to 170217, Velsons Flashlights Pvt. Ltd., a Private Limited company incorporated under the Indian companies Act, C/13, Khalsa Motor Ind. Estate, Subhash Nagar, Bhandup (W), Bombay-78, Maharashtra, India, above address, "TORCH", 16th November 1995.
- Class 3.** Nos. 170179 to 170181, Nilkamal Plastics Ltd., of Plot No. 971, 1/A, Sinnar Taluka Industrial Cooperative Estate, Sinnar Shirdi Road, Sinnar-422103, Maharashtra, India, Indian Company, "TABLE", 14th November 1995.
- Class 3.** Nos. 170350 to 170352, Ramasamy Venkatesan, an Indian Citizen of 55C, Thirumalai Naickerpalayam Road, Veerapandi Pirivu, Jothipuram, Coimbatore-641047, India, "SENSOR UNIT", 5th January 1996.
- Class 3.** No. 170652, Kothari Beverages, an Indian partnership company of 305, Paradise Complex, Sayajigunj, Baroda-390005, Gujarat, India, "BOTTLE", 31st January 1996.
- Class 4.** No. 170653, Kothari Beverages, 305, Paradise Complex, Sayajigunj, Baroda-390005, Gujarat, India, and Indian Partnership company, "BOTTLE", 31st January 1996.
- Class 4.** Nos. 170886 & 170887, Sona ceramic of Old Ghuntu Road, Morbi-363642, Gujarat, India, Indian partnership firm, "WASH BASIN", 15th March 1996.
- Class 10.** No. 170396, Delhi Electronic Instruments & Equipment Manufacturers Pvt. Ltd., A 4/2, Mayapuri, Phase II, New Delhi, India, "SHOE", 13th December 1995.
- Class 10.** No. 170397, Delhi Electronic Instruments & Equipment Manufacturers Pvt. Ltd., A 4/2, Mayapuri, Phase II, New Delhi, India, "SHOE SOLE", 13th December 1995.

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Designs & Trade Marks

